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**CLAIM AMENDMENTS**

This listing of claims will replace all prior versions and listings of claims in the application:

1-25. (canceled)

26. (previously presented) A vaccine composition comprising

(a) an immunologically effective amount of (i) at least two inactivated *Mycoplasma bovis* biotypes and (ii) an inactivated *Mycoplasma alkalescens*, wherein said immunologically effective amount is protective in a vaccine against Bovine Respiratory Disease resulting from *Mycoplasma* infection;

(b) an adjuvant; and

(c) a pharmaceutically effective carrier.

27. (previously presented) The vaccine of claim 26 further comprising antigenic material of viruses or microorganisms other than *Mycoplasma bovis* and *Mycoplasma alkalescens* known to be bovine pathogens.

28. (previously presented) The vaccine of claim 27 where the antigenic material is from *Staphylococcus aureus*, *Pasteurella hemolytica*, *Pasteurella multocida*, *Haemophilus somnus*, Bovine Respiratory Syncytial Virus, Bovine Diarrhea Virus, *E. coli* or Infectious Bovine Rhinotracheal Disease.

29. (previously presented) The vaccine of claim 26 where the adjuvant is an aluminum hydroxide-oil emulsion; a mineral, vegetable, or fish oil-water emulsion; a water-oil-water emulsion; incomplete Freund's adjuvant; *E. coli* J5; dextran sulfate; iron oxide; sodium alginate; Bacto-Adjuvant; a synthetic polymer; Carbopol; a poly-amino acid; a co-polymer of amino acids; saponin; carrageenan; REGRESSIN®; N, N-di-octadecyl-N'-N'-bis(2-hydroxyethyl) propanediamine; a long chain polydispersed  $\beta(1,4)$  linked mannan polymer interspersed with O-acetylated groups; deproteinized cell wall extracts